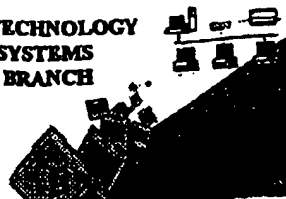


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/702,305
Source: IFWO
Date Processed by STIC: 5/26/04

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,
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Revised 05/17/04



IFW0

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/702,305

DATE: 05/26/2004

TIME: 14:53:56

Input Set : A:\12844-002001.txt

Output Set: N:\CRF4\05262004\J702305.raw

4 <110> APPLICANT: Michael C. Chen
 5 Chuang-Jiun Chiou
 6 Zhongming Li
 7 Dong-Sheng Chen
 9 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING OR
 10 PREVENTING PNEUMOCOCCAL INFECTION
 12 <130> FILE REFERENCE: 12844-002001
 14 <140> CURRENT APPLICATION NUMBER: US 10/702,305
 15 <141> CURRENT FILING DATE: 2003-11-06
 17 <150> PRIOR APPLICATION NUMBER: US 60/424,497
 18 <151> PRIOR FILING DATE: 2002-11-07
 20 <160> NUMBER OF SEQ ID NOS: 26
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
 Corrected Diskette Needed
 (pg. 1)

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LORED SEQUENCES

388 <210> SEQ ID NO: 18
 389 <211> LENGTH: 459
 390 <212> TYPE: PRT
 392 <220> FEATURE:
 393 <221> OTHER INFORMATION: polypeptide of pSA-60 PspA insert sequence
 -> 395 <213> ORGANISM: see pg. 4
 395 <400> SEQUENCE: 18
 396 Met Glu Glu Ala Pro Val Ala Ser Gln Ser Lys Lys Ala Glu Lys Asp Tyr
 397 1 5 10 15
 398 Asp Ala Ala Val Lys Lys Ser Glu Ala Ala Lys Lys Ala Tyr Glu Glu
 399 20 25 30
 400 Ala Lys Lys Lys Ala Glu Asp Ala Gln Lys Lys Tyr Asp Glu Asp Gln
 401 35 40 45
 402 Lys Lys Thr Glu Ala Lys Ala Asp Lys Glu Ala Lys Ala Ser Ala Glu
 403 50 55 60
 404 Ile Asp Lys Ala Thr Phe Ala Val Gln Ser Ala Tyr Val Lys Phe Leu
 405 65 70 75 80
 406 Asn Val Gln Ser Asn Arg Gln Ile Ser Glu Asn Glu Arg Lys Lys Gln
 407 85 90 95
 408 Leu Ala Glu Ile Asp Lys Glu Ile Glu Asn Ala Lys Gln Asn Leu Gln
 409 100 105 110
 410 Asn Lys Gln Glu Glu Phe Asn Lys Val Arg Ala Glu Val Ile Pro Glu
 411 115 120 125
 412 Ala Lys Gly Leu Ala Val Thr Lys Gln Lys Ala Glu Glu Ala Lys Lys
 413 130 135 140
 414 Glu Ala Glu Val Ala Lys Arg Lys Tyr Asp Tyr Ala Thr Leu Lys Val

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/702,305

DATE: 05/26/2004

TIME: 14:53:56

Input Set : A:\12844-002001.txt

Output Set: N:\CRF4\05262004\J702305.raw

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418 Leu Gln Tyr Glu Ile Ser Thr Leu Glu Gln Glu Val Ala Ile Ala Gln
419          180          185          190
420 His Gln Val Asp Asn Leu Lys Lys Leu Leu Ala Gly Ala Asp Pro Asp
421          195          200          205
422 Asp Gly Thr Lys Val Ile Glu Ala Lys Leu Asn Lys Gly Glu Ala Glu
423          210          215          220
424 Leu Asn Ala Lys Gln Ala Glu Leu Ala Lys Lys Gln Thr Glu Leu Glu
425 225          230          235          240
426 Lys Leu Leu Asp Ser Leu Asp Pro Glu Gly Lys Thr Gln Asp Glu Leu
427          245          250          255
428 Asp Lys Glu Ala Ala Glu Ala Glu Leu Asp Lys Lys Ala Asp Glu Leu
429          260          265          270
430 Gln Asn Lys Val Ala Asp Leu Glu Lys Gly Ile Ala Pro Tyr Gln Ile
431          275          280          285
432 Lys Val Ala Glu Leu Asn Lys Glu Ile Ala Arg Leu Gln Ser Asp Leu
433          290          295          300
434 Lys Asp Ala Glu Glu Asn Asn Val Glu Asp Tyr Ile Lys Glu Gly Leu
435 305          310          315          320
436 Glu Gln Ala Ile Ala Asp Lys Lys Ala Glu Leu Ala Thr Thr Gln Gln
437          325          330          335
438 Asn Ile Asp Lys Thr Gln Lys Asp Leu Glu Asp Ala Glu Leu Glu Leu
439          340          345          350
440 Glu Lys Val Leu Ala Thr Leu Asp Pro Glu Gly Lys Thr Gln Asp Glu
441          355          360          365
442 Leu Asp Lys Glu Ala Ala Glu Asp Ala Asn Ile Glu Ala Leu Gln Asn
443          370          375          380
444 Lys Val Ala Asp Leu Glu Asn Lys Val Ala Glu Leu Asp Lys Glu Val
445 385          390          395          400
446 Thr Arg Leu Gln Ser Asp Leu Lys Asp Ala Glu Glu Asn Asn Val Glu
447          405          410          415
448 Asp Tyr Val Lys Glu Gly Leu Asp Lys Ala Leu Thr Asp Lys Lys Val
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450 Glu Leu Asn Asn Thr Gln Lys Ala Leu Asp Thr Ala Gln Lys Ala Leu
451          435          440          445
452 Asp Thr Ala Leu Asn Glu Leu Gly Pro Asp Gly
453          450          455

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/702,305

DATE: 05/26/2004

TIME: 14:53:57

Input Set : A:\12844-002001.txt

Output Set: N:\CRF4\05262004\J702305.raw

95 M:282 E: Numeric Field Identifier Missing, <213> is required. ✓

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<210> 18

<211> 459

<212> PRT

<220>

<223> polypeptide of pSA-60 PspA insert sequence

<400> 18

mandatory,
<213> - pls insert numeric identifier <213> with
Response.

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